

## VORTRÄGE

15:45 Uhr Kaffeejause

**Mittwoch, 04. Oktober 2017 16:15 bis 17:15**, Sky Lounge, 12. OG, OMP 1

**Mathematisches Kolloquium: Helène Frankowska (Universite Pierre et Marie Curie Paris): "Value function and necessary optimality conditions in deterministic optimal control"**

Org: R.I. Bot

(Details siehe Anhang)

In this talk I will discuss some recent advances made in first and second order optimality conditions for the classical deterministic optimal control problem. The value function associated to this problem is the unique solution to a Hamilton-Jacobi PDE. The control theoretic approach implied some new regularity results on the solution of this equation and left few problems open. The developed variational analysis techniques, being quite straightforward, apply as well to stochastic optimal control and optimal control of PDEs.

### Vinum cum pane im Anschluss

**Montag, 02. Oktober 2017 10:00 bis Freitag, 06. Oktober 2017 11:00**, ESI, Boltzmann Lecture Hall, Boltzmannngasse 9/2,1090 Wien

**ESI - Tutorial II: Henryk Wozniakowski (Columbia U, New York and U of Warsaw): "Tutorial II - ABC on IBC and Tractability"**

Org: F. Pillichshammer

[https://mathematik.univie.ac.at/fileadmin/user\\_upload/f\\_mathematik/Vortraege/2016\\_17/Wozniakowski.pdf](https://mathematik.univie.ac.at/fileadmin/user_upload/f_mathematik/Vortraege/2016_17/Wozniakowski.pdf)

**Dienstag, 03. Oktober 2017 14:15 bis 15:15**, Fakultät für Physik, Erwin Schrödinger-Hörsaal, Boltzmannng. 5, 5. St., 1090 Wien

**Vortrag: Jnanadeva Maharana (Inst. of Physics, Bhubaneswar, Indien): "High energy behavior of scattering cross sections"**

Org: S. Fredenhagen, O. Krüger

[https://mathematik.univie.ac.at/fileadmin/user\\_upload/f\\_mathematik/Vortraege/2017\\_18/Seminareinladung\\_Maharana\\_Oktober2017.pdf](https://mathematik.univie.ac.at/fileadmin/user_upload/f_mathematik/Vortraege/2017_18/Seminareinladung_Maharana_Oktober2017.pdf)

**Dienstag, 03. Oktober 2017 15:00 bis 16:00**, BZ 9, 9.OG, OMP1

**AG Biomathematik: Gaku Oya (Hayama, Japan): "Mathematical models on the evolution of punishment in vertebrates"**

Org: J. Hermisson, R. Bürger

<http://homepage.univie.ac.at/Reinhard.Buerger/AGBio.html>

**Mittwoch, 04. Oktober 2017 11:00 bis 13:00**, BZ 2, 2. OG., OMP 1

**Vortrag: A. Bressan (Penn State University): "Uniqueness and generic singularities of solutions to some nonlinear wave equations"**

Org: U. Stefanelli A. Constantin

[https://mathematik.univie.ac.at/fileadmin/user\\_upload/f\\_mathematik/Vortraege/Bressan-title\\_abstract.pdf](https://mathematik.univie.ac.at/fileadmin/user_upload/f_mathematik/Vortraege/Bressan-title_abstract.pdf)

**Mittwoch, 04. Oktober 2017 14:00 bis 14:45**, Sky Lounge, 12. OG, OMP 1

**PhD Colloquium: Tomack Gilmore (Univ. Wien): "Rhombus Tilings and Electrostatics"**

Org: Vienna Doctoral School of Mathematics

[https://mathematik.univie.ac.at/fileadmin/user\\_upload/f\\_mathematik/Vortraege/2017\\_18/PhD-Colloquium-2017-10-04-1.pdf](https://mathematik.univie.ac.at/fileadmin/user_upload/f_mathematik/Vortraege/2017_18/PhD-Colloquium-2017-10-04-1.pdf)

**Donnerstag, 05. Oktober 2017 13:45 bis 15:15**, SR 10, 2. OG., OMP 1

**Vortrag: Sergio Carrillo (Univ. Wien): "Spaces of asymptotically developable functions I. The case of one variable"**

Org: A. Rainer

**Donnerstag, 05. Oktober 2017 14:00 bis 15:00**, Fakultät für Physik, Raum 218, 2. Stock, Währinger Str. 17, 1090 Wien

**Literatur SE: Piotr T. Chrusciel: "Stationary black holes with matter fields and a negative cosmological constant"**

Org: P. T. Chrusciel

[https://mathematik.univie.ac.at/fileadmin/user\\_upload/f\\_mathematik/Vortraege/SeminareinladungChrusciel\\_Oktober2017.pdf](https://mathematik.univie.ac.at/fileadmin/user_upload/f_mathematik/Vortraege/SeminareinladungChrusciel_Oktober2017.pdf)

**Donnerstag, 05. Oktober 2017 15:15 bis 17:00**, BZ 9, 9.OG, OMP1

**Arbeitsgemeinschaft Ergodentheorie: Roland Zweimüller (Univ. Wien): "On rare events in measure preserving systems. "**

Org: H. Bruin, R. Zweimüller

<https://mathematik.univie.ac.at/forschung/seminare/>

**Donnerstag, 05. Oktober 2017 16:00 bis 18:00**, KGRC, lecture room, Währinger Str. 25, 1090 Wien

**KGRC SE: Mohammad Golshani (Inst. for Research in Fundamental Sciences (IPM), Teheran, Iran): "Some properties of Cohen and random reals"**

Org: KGRC

[http://www.logic.univie.ac.at/2017/Talk\\_10-05\\_a.html](http://www.logic.univie.ac.at/2017/Talk_10-05_a.html)

**Donnerstag, 05. Oktober 2017 16:30 bis 18:00**, SR 11, 2. OG., OMP 1

**Vienna SE in Mathematical Finance and Probability: Oleg I. Klesov and Elena Timoshenko (National Technical Univ. of Ukraine): "Generalized renewal processes with applications to stochastic differential equations"**

<https://fam.tuwien.ac.at/events/vs-mfp/>